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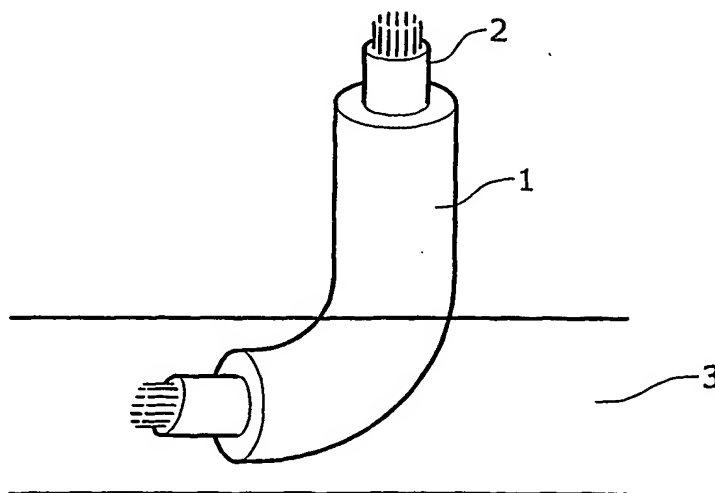
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(54) Title: **ARTIFICIAL GRASS SYSTEM**



(57) Abstract: Disclosed is a field of artificial grass comprising artificial blades of grass provided on a support layer comprising capillaries as: a. capillary tubes between the artificial blades of grass and/or b. capillary nerves inside the artificial blades of grass, with one end of the capillaries located in a liquid adsorbing and releasing layer, preferably made of felt or cotton. Preferably as a third layer a water storing layer has been provided under the liquid adsorbing layer. Water is supplied upon making a sliding-tackle on such a field which relieves the pain of wounds caused by making such a sliding. Furthermore a process is provided to improve the quality of an existing field of grass by applying said capillary tubes between blades of grass or capillary nerves within artificial blades of grass or both in an already existing artificial or natural grass field.

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ABSTRACT

Disclosed is a field of artificial grass comprising artificial blades of grass provided on a support layer comprising capillaries as: a. capillary tubes between the artificial blades of grass and/or b. capillary nerves inside the artificial blades of grass, with one end of the capillaries located in a liquid adsorbing and releasing layer, preferably made of felt or cotton. Preferably as a third layer a water storing layer has been provided under the liquid adsorbing layer. Water is supplied upon making a sliding-tackle on such a field which relieves the pain of wounds caused by making such a sliding. Furthermore a process is provided to improve the quality of an existing field of grass by applying said capillary tubes between blades of grass or capillary nerves within artificial blades of grass or both in an already existing artificial or natural grass field.